## general data/description

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**article** HC 71917 E T 2RSD DU L P4S BS2 **Art-No.** 50168

**brand** SKA **weight/kg** 1.082

**remark** Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2.

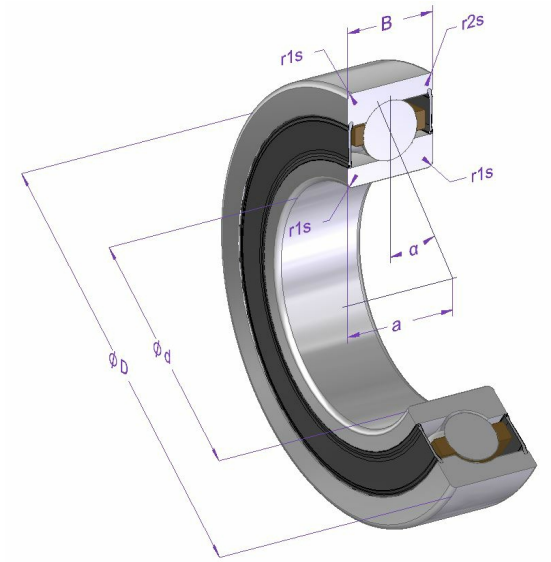
**description**

| | |
|---|---|
| HC | Design |
| 71917 | Size |
| E | Pressure angle |
| T | Hard tissue cage |
| 2RSD | Sealing washers on both sides, not touching |
| DU | Bearing-set |
| L | Slight preload |
| P4S | Tolerance class |

**greasing**

| | |
|---|---|
| BS2 | KLÜBER SPEED BF 72-22 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 85 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 120 | 0 / -8 | 620-2 |
| B | width | 18 | 0 / -200 | 620-2 |
| r1s min. | minimal chamfer dimension | 1.1 | | |
| r2s min. | minimal chamfer dimension | 1.1 | | |
| a | load application point | 32.9 | | |
| alpha | contact angle | 25° | | |
| Fv | pretension [N] | 82 | | |
| c | axial stiffness [N/µm] | 140 | | |
| KaE | Lift-off force [N] | 236 | | |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 20000 | 1220 | 281 | 15300 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 18000 | |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -20 |

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**Niederfeld 38**
**CH-9320 Stachen**



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## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Balls | Si3N4 | | |
| Cage | PF | | |
| Sealing washers | Sheet steel/NBR | | |

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.